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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/813,865	03/31/2004	Shu-Ping Chang	SOM920030005US2	5589	
	7590 08/15/200 N & LEWIS, LLP	EXAMINER			
1300 POST RO		JAIN, RAJ K			
SUITE 205 FAIRFIELD, C	T 06824	ART UNIT	PAPER NUMBER		
			2616		
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			08/15/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Occurrence		Application No.		Applicant(s)				
		10/813,86	5	CHANG ET AL.				
Office Action Summary			Examiner		Art Unit			
			RAJ K. JAI	N	2616			
Period fo	The MAILING DATE of this commun or Reply	nication app	ears on the	cover sheet with the	correspondence a	ddress		
WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE IN INSIGN SOLVEN THE INSIGN OF	MAILING DA s of 37 CFR 1.13 munication. tatutory period w y will, by statute,	ATE OF TH 66(a). In no ever ill apply and will cause the appli	S COMMUNICATIO nt, however, may a reply be ti expire SIX (6) MONTHS fron cation to become ABANDONI	N. mely filed the mailing date of this of ED (35 U.S.C. § 133).	·		
Status								
1) 又	Responsive to communication(s) file	ed on <i>01 Au</i>	iaust 2008					
•	Responsive to communication(s) filed on <u>01 August 2008</u> . This action is FINAL . 2b)⊠ This action is non-final.							
3)		′—			osecution as to th	e merits is		
٥,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
- 4)⊠	Claim(s) 1-28 is/are pending in the	application.						
•	Claim(s) <u>1-28</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.							
'=	5) Claim(s) is/are allowed.							
·	6)⊠ Claim(s) <u>1-12 and 15-28</u> is/are rejected.							
•	Claim(s) <u>13 and 14</u> is/are objected to		. alaatian na	au ina ma a mt				
8) Claim(s) are subject to restriction and/or election requirement.								
Applicati	on Papers							
9)	The specification is objected to by th	ne Examiner	r.					
10)🛛	10)⊠ The drawing(s) filed on <u>31 March 2004</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
	Applicant may not request that any object	ection to the c	drawing(s) be	e held in abeyance. Se	e 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including	g the correction	on is require	d if the drawing(s) is ob	jected to. See 37 C	FR 1.121(d).		
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Ination Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date			4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal D 6) Other:	ate			

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DETAILED ACTION

General Remarks

Applicant's arguments, filed August 1, 2008, with respect to claims 1-28 have been fully considered and are persuasive. The Final rejection of submitted 5/19/08 has been withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1- 8, 15-24, 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carino, Jr. (USP 5,754,841) in view of Arbabi et al (USP 5,461,699).

Regarding claim(s) 1, 17 and 28, Carino discloses a method for providing adaptive Quality of Service (QoS) (col 6 lines 63-66, client adapted Qos), the method comprising the steps of: selecting, based on one or more QoS criteria corresponding to a client, one or more given data items suitable for sending to the client in response to a query from the client, the one or more given data items selected from a set of data items (abstract, col 4 lines 9-27; col 6 lines 60-67, client 220 queries interface 206 with specific data items and user selected Qos criteria); and

determining one or more statistics associated with the one or more given data items (fig. 3A, col 8 lines 14-18, the resolver 308 optimizes client 220s query based on required data items).

Carino explicitly fails to disclose wherein the one or more statistics are useable to modify which data items are included in the set of data items.

Arbabi discloses wherein the one or more statistics are useable to modify which data items are included in the set of data items (col 8 lines 35-60). Statistical methods have tests of significance for input variables and confidence intervals for output variables and thus provide a predictive outcome based on specific statistical input

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records. Thus it would have been obvious at the time the invention was made to incorporate the teachings of Arbabi within Carino so as to have predictive outcome based on specific statistical input records.

Regarding claim(s) 2 and 18, Carino discloses removing one of data items from the set of data items when the one data item has a corresponding statistic below a predetermined value (col 8 lines 25-37).

Regarding claim(s) 3 and 19, Carino discloses the data format comprises one or more of the following: file format of the one or more given data items; compression technique used to create the one or more given data items; compression level of the one or more given data items; image dimensions for the one or more given data items; and text size for the one or more given data items (col 10 line 58 – col 11 line 9).

Regarding claim(s) 4 and 20, Carino discloses one or more QoS criteria comprise one or more of the following: a QoS subscription of a user, network constraints, device constraints, user preferences, a QoS level, and organizational policies (col 6 lines 63-67; col 9 lines 60-67).

Regarding claim(s) 5 and 21, Carino discloses the one or more QoS criteria comprise one or more organizational policies and at least one of the one or more organizational policies comprises a cost (col 8 lines 13-25; lines 45-44; col 14 lines 16-25).

Regarding claim(s) 6 and 22, Carino discloses various data items as video, audio etc (Fig. 1, col 3 lines 49-61).

Regarding claim(s) 7 and 23, Carino discloses selecting at least a portion of the one or more QoS criteria by using one or more of the following: a user identification corresponding to the client and a device identification corresponding to the client (col 6 lines 63-67).

Regarding claim(s) 8 and 24, Carino discloses plurality of resources associated with the communication network and wherein the step of determining one or more given data items further comprises the step of determining if a given data item meets the one or more QoS criteria (col 6 line 60 – col 7 line 15, Qos criteria is selected by client based on data to be traversed such as video, audio etc.).

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Regarding claim(s) 15, 16 and 27, Carino discloses series of query plans to be executed (col 4 lines 60-65; col 9 lines 42-67).

Claims 9, 10, 11 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carino, Jr. (USP 5,754,841) in view of Arbabi et al (USP 5,461,699) and further in view of Walpole et al (US 2003/0233464)

Regarding claim(s) 9, 11 and 25, Carion and Arbabi fails to disclose transcoding of data based on specific QoS criteria.

Walpole discloses transcoding of data based on specific QoS criteria (paras 38, 42). Adapting data in a shared heterogeneous network environment, such as the Internet, relates to quality-adaptive streaming transmission of data in such an environment. Thus it would have been obvious at the time the invention was made to incorporate the teachings of Walpole within Carion so as to provide an heterogeneous network environment for different data types between clients and servers.

Regarding claim(s) 10, Carion and Arbabi fails to disclose priority labeling based on specific QoS criteria. Walpole discloses priority labeling based on specific QoS criteria (para 15). Reasons for combining same as for claim 9 above.

Claim 12 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carino, Jr. (USP 5,754,841) in view of Arbabi et al (USP 5,461,699) and further in view of Aggarwal et al (US 20030081624 A1)

Carino and Arbabi fails to disclose QoS criteria levels or predefined QoS levels based on subscriber requirements.

Aggarwal discloses QoS criteria levels or predefined QoS levels based on subscriber requirements (abstract, paras 14 & 25.) Differing QoS levels provides for improved traffic management in network devices, e.g., routers, switches and other traffic bearing nodes (collectively, "network devices") and therefore reducing switching conflict delays, and that support multiple services simultaneously, i.e., any protocol on any interface port in a network device. Thus it would have been obvious at the time the invention was made to incorporate the teachings of Aggarwal within Carino so as to

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improve network performance to allow for multiple services to be performed simultaneously on a given network as desired.

Allowable Subject Matter

Claims 13 and 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

Applicant's arguments, filed August 1, 2008, with respect to claims 1-28 have been fully considered and are persuasive. The Final rejection of submitted 5/19/08 has been withdrawn and a new ground of rejection is presented for Applicant's consideration.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RAJ K. JAIN whose telephone number is (571)272-3145. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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August 15, 2008